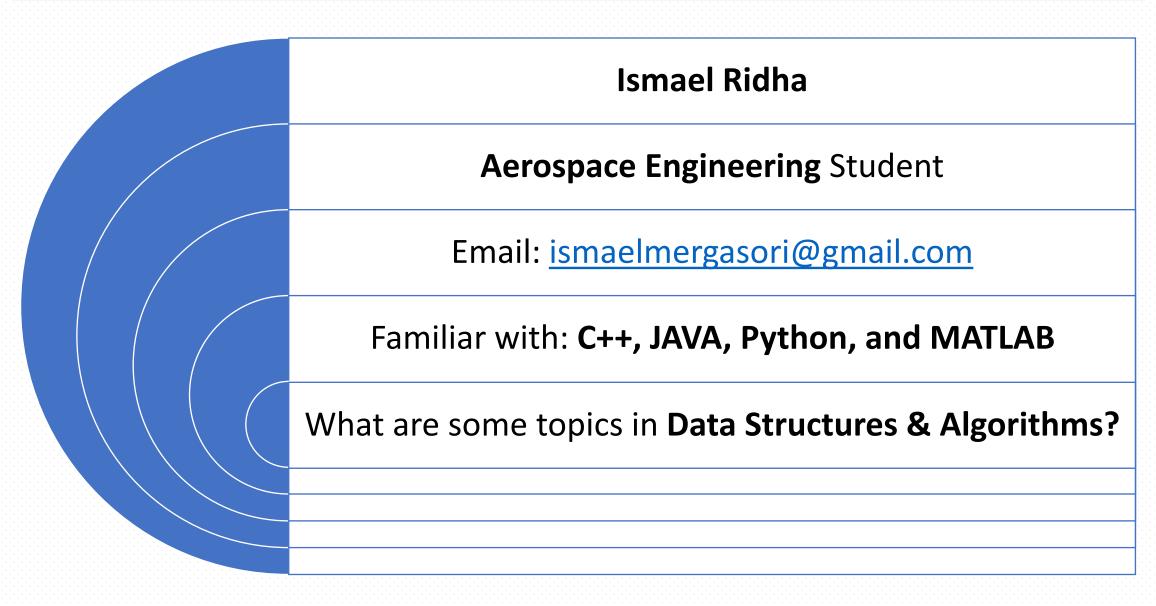
# COEN-352 Tutorial #1

#### INTRO



#### COEN-352 Overview

#### **Data Structures:**

- **DS**s are means of storing data in a pattern-like format favourable in an application.
- These often dictate which algorithms to use and are based on the data we have.
- Examples: Arrays, Linked Lists, Stacks, Queues, Trees, Graphs...

#### **Algorithms:**

- ALGOs are methods developed for executing some actions on data.
- Algorithms usually depend on the DS and the type of data given.
- Examples: Sorting, Searching, Inserting, deletion...

### JAVA Development Environment Setup

GitHub Repo: <a href="https://github.com/TheBarzani/COEN352">https://github.com/TheBarzani/COEN352</a> W2023

#### Steps:

- 1. Download and Install Java compiler
- 2. Add Java to the PATH
- 3. Set up an IDE for JDK
- 4. Create first project and "Hello World" program
- 5. Explore unit testing

## THANK YOU